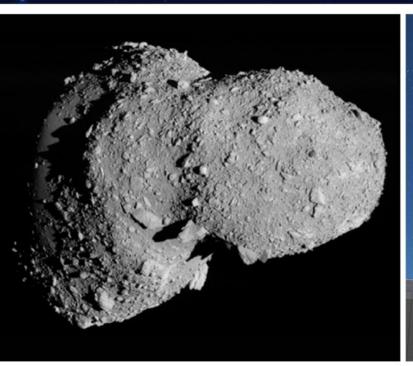
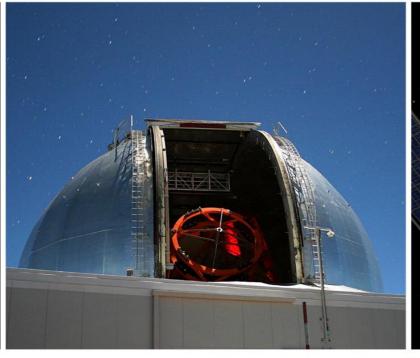
Asteroid Redirect Mission Overview

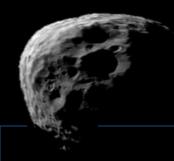
Robert M. Lightfoot NASA Associate Administrator











Alignment Strategy

ita Maria	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Asteroid Identify Segment				Potential						
	SST	PS-2		GEO-hosted payload						
				delection						
	LIPIT I									
	Er	hanced groun	d assets &	Final target						
		Initial candi		selection						
Asteroid Redirect Segment							©			
						and the same		•		
					Missior		Asteroid		Asteroid	
					Launch		Rendezvous		Maneuver to	
					SEP Den	no	& Capture		trans-lunar	
									`	
Asteroid Explore Segment										
									EM-2: Crev	N/
	F	rst flight of				EM-1: Un-cre Orion test be			beyond th	
		Orion				the Moor			Moon	

Overall Mission Consists of Three Main Segments

Identify



Asteroid Identification Segment:

Ground and space based NEA target detection, characterization and selection

Redirect



Asteroid Redirection Segment:

Solar electric propulsion (SEP) based robotic asteroid redirect to trans-lunar space

Explore



Asteroid Crewed Exploration Segment:

Orion and SLS based crewed rendezvous and sampling mission to the relocated asteroid